

DT07 Rec'd PCT/PTO 20 SEP 2004

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## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: September 16, 2004 Name: Terry Wand

Signature: Terry Wand

BRINKS  
HOFER  
GILSON  
& LIONE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Ko, et al.

Appln. No.: 10/502,110

Filed: July 21, 2004

For: PLANAR AVALANCHE  
PHOTODIODE

Examiner:

Art Unit:

Attorney Docket No: 10555-085

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL

Sir:

## Attached is/are:

- ☒ Information Disclosure Statement; 2 Sheets of Form PTO-1449 and cited references  
☒ Return Receipt Postcard

## Fee calculation:

- ☒ No additional fee is required.  
☐ Small Entity.  
☐ An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).  
☐ A petition or processing fee in an amount of \$\_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_).  
☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
Total					\$			Total \$	

## Fee payment:

- ☐ A check in the amount of \$\_\_\_\_\_ to cover the above-identified fee(s) is enclosed.  
☐ Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.  
☐ Payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).  
☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

September 16, 2004  
Date

John M. Card (Reg. No. 48,423)



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: CHEN C. KO ET AL.

Appln. No.: 10/502,110

Filed: July 21, 2004

For: PLANAR AVALANCHE  
PHOTODIODE

Examiner:

Art Unit:

Attorney Docket No: 10555-085

## INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b), Applicants hereby cite the following reference(s):

No.	Date of Publication	Patentee/Applicant/Assignee
4,236,069	11/25/1980	Laughlin
4,597,004	06/24/1986	Longeway, et al.
4,686,550	08/11/1987	Capasso et al.
4,840,916	06/20/1989	Yasuda et al.
5,146,296	09/08/1992	Huth
5,179,430	01/12/1993	Torikai
5,365,077	11/15/1994	Metzger
5,539,221	07/23/1996	Tsuji et al.
5,552,629	09/03/1996	Watanabe
5,654,578	08/05/1997	Watanabe
5,818,096	10/06/1998	Ishibashi et al.
6,081,019	06/27/2000	White
6,107,652	08/22/2000	Scavennec et al.
6,229,161	05/08/2001	Nemati et al.
6,229,162	05/08/2001	Watanabe
6,326,650	12/04/2001	Allam
6,359,322	03/19/2002	Haralson et al.
2002/0070384	06/13/2002	Clark et al.
2003/0021322	01/30/2003	Steinle et al.
WO 03/065416	08/07/2003	Ko et al.
WO 03/065417	08/07/2003	Ko
WO 03/065418	08/07/2003	Ko et al.
Watanabe et al., IEEE Photonics Technology Letters 8, p. 827-829, 1996		

For the Examiner's convenience, Applicants are enclosing Form PTO-1449 (one sheet), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). As each of the listed references is in English, no further commentary is believed to be necessary, 37 C.F.R §1.98(a)(3). Applicants respectfully request the Examiner's consideration of the above reference(s) and entry thereof into the record of this application.

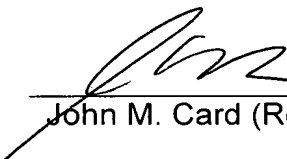
By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

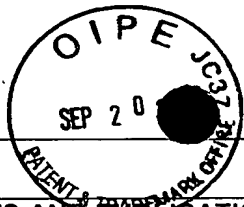
Applicants have calculated no fee to be due in connection with the filing of this Statement. However, the Director is authorized to charge any fee deficiency associated with the filing of this Statement to a deposit account, as authorized in the Transmittal accompanying this Statement.

Respectfully submitted,

September 16, 2004

Date

  
\_\_\_\_\_  
John M. Card (Reg. No.48,423)



FORM PTO-1449	APPLICATION NO. 10/502,110	CASE NO. 10555-085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE July 21, 2004	ART UNIT
APPLICANT(S): Ko, et al.		

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	4,236,069	11/25/1980	Laughlin		
	4,597,004	06/24/1986	Longeway, et al.		
	4,686,550	08/11/1987	Capasso et al.		
	4,840,916	06/20/1989	Yasuda et al.		
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	5,552,629	09/03/1996	Watanabe		
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	5,818,096	10/06/1998	Ishibashi et al.		
	6,081,019	06/27/2000	White		
	6,107,652	08/22/2000	Scavennec et al.		
	6,229,161	05/08/2001	Nemati et al.		
	6,229,162	05/08/2001	Watanabe		
	6,326,650	12/04/2001	Allam		
	6,359,322	03/19/2002	Haralson et al.		

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	WO 03/065416	08/7/2003	Published App.			
	WO 03/065417	08/7/2003	Published App.			
	WO 03/065418	08/7/2003	Published App.			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
	Watanabe et al., IEEE Photonics Technology Letter 8, pp. 827-829, 1996

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	APPLICATION NO. 10/502,110	CASE NO. 10555-085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE July 21, 2004	ART UNIT
APPLICANT(S):Ko, et al.		

### REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO

[illegible]

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.